| L Number | Hits    | Search Text  | DB                | Time stamp       |
|----------|---------|--|-------------------|------------------|
| 1        | 1128    | (250/239).CCLS.                                      | USPAT;            | 2004/02/24 17:08 |
|          |         | (,,  | EPO '             | , ,              |
| 3        | 1401    | (250/214.1).CCLS.                                    | USPAT;            | 2004/02/24 17:09 |
|          |         |  | EPO               |                  |
| 5        | 1218    | ((250/214.1).CCLS.) and @py<2000                     | USPAT;            | 2004/02/24 17:09 |
|          |         | ((,,,,   | EPO '             | , ,              |
| 2        | 953     | ((250/239).CCLS.) and @py<2000                       | USPAT;            | 2004/02/24 17:10 |
|          |         | (X= / ··· /  | EPO               | , ,              |
| -        | 15543   | p near2 electrode                                    | USPAT;            | 2002/09/04 11:55 |
|          |         | •  | US-PGPUB;         |                  |
|          |         |  | EPO; JPO;         |                  |
|          |         |  | DERWENT;          |                  |
|          |         |  | IBM_TDB           |                  |
| -        | 17493   | n near2 electrode                                    | USPAT;            | 2002/02/28 07:51 |
|          |         |  | US-PGPUB;         |                  |
|          |         |  | EPO; JPO;         |                  |
|          |         |  | DERWENT;          |                  |
|          |         |  | IBM_TDB           |                  |
| -        | 5675    | (p near2 electrode) with (n near2 electrode)         | USPAT;            | 2002/02/28 07:51 |
|          |         |  | US-PGPUB;         |                  |
| 1        |         |  | EPO; JPO;         |                  |
|          |         |  | DERWENT;          |                  |
|          |         |  | IBM_TDB           |                  |
| -        | 1412773 | substrate  | USPAT;            | 2002/02/28 08:52 |
|          |         |  | US-PGPUB;         |                  |
|          |         |  | EPO; JPO;         |                  |
|          |         |  | DERWENT;          |                  |
|          |         |  | IBM_TDB           | 2002/02/20 07 50 |
| -        | 408     | (((p near2 electrode) with (n near2 electrode)) with | USPAT;            | 2002/02/28 07:59 |
|          |         | substrate) and @pd>20000101                          | US-PGPUB;         |                  |
|          |         |  | EPO; JPO;         |                  |
|          |         |  | DERWENT;          |                  |
|          | 20      | toshihiko near ouchi                                 | IBM_TDB<br>USPAT; | 2002/02/28 08:01 |
| -        | 39      | toshiniko near ouchi                                 | US-PGPUB;         | 2002/02/20 00.01 |
|          |         |  | EPO; JPO;         |                  |
|          |         |  | DERWENT;          |                  |
|          |         |  | IBM_TDB           |                  |
| 1        | 6       | (((p near2 electrode) with (n near2 electrode)) with | USPAT;            | 2002/02/28 08:10 |
|          |         | substrate) and (toshihiko near ouchi)                | US-PGPUB;         | 2002,02,20       |
|          |         | Substitute (Committee Feet Substitute )              | EPO; JPO;         |                  |
|          |         |  | DERWENT;          |                  |
|          |         |  | IBM_TDB           |                  |
| -        | 6164    | "near field"   | USPAT;            | 2002/02/28 08:12 |
|          |         |  | US-PGPUB;         |                  |
|          |         |  | EPO; JPO;         |                  |
|          | 1       |  | DERWENT;          |                  |
|          |         |  | IBM_TDB           |                  |
| -        | 21897   | "optical head"                                       | USPAT;            | 2002/02/28 08:13 |
|          |         |  | US-PGPUB;         |                  |
|          |         | ·  | EPO; JPO;         |                  |
|          |         |  | DERWENT;          |                  |
|          | İ       |  | IBM_TDB           |                  |
| -        | 57      | "near field" near "optical head"                     | USPAT;            | 2002/02/28 08:13 |
|          |         |  | US-PGPUB;         |                  |
|          |         |  | EPO; JPO;         |                  |
|          |         |  | DERWENT;          |                  |
|          | L       |  | IBM_TDB           |                  |

|          |          |   |            | 2002/02/20 00 44 |
|----------|----------|---|------------|------------------|
| -        | 60736    | cantilever  | USPAT;     | 2002/02/28 08:14 |
|          |          |   | US-PGPUB;  |                  |
|          |          |   | EPO; JPO;  |                  |
|          |          |   | DERWENT;   |                  |
|          |          |   | IBM_TDB    |                  |
| _        | 5        | (((p near2 electrode) with (n near2 electrode)) with          | USPAT;     | 2002/02/28 08:16 |
|          |          | substrate) and cantilever                                     | US-PGPUB;  |                  |
|          |          | substrace, and candicver                                      | EPO; JPO;  |                  |
|          |          |   |            |                  |
|          |          |   | DERWENT;   |                  |
|          |          |   | IBM_TDB    | 000010010000016  |
| -        | 22       | (((p near2 electrode) with (n near2 electrode)) with          | USPAT      | 2002/02/28 08:16 |
|          |          | substrate) and "near field"                                   |            |                  |
| -        | 2        | ("5214663"   "5416790").PN.                                   | USPAT      | 2002/02/28 08:22 |
| -        | 14       | 5141319.URPN.   | USPAT      | 2002/02/28 08:24 |
| <u>-</u> | 1        | ("5294790").PN.   | USPAT      | 2002/02/28 08:26 |
| -        | 29       | 5294790.URPN.   | USPAT      | 2002/02/28 08:26 |
| _        | 7        | ("5260567"   "5294790"   "5354985"   "5517280"                | USPAT      | 2002/02/28 08:31 |
| _        | <b>'</b> | "5546375"   "5548117"   "5770856").PN.                        | 00.7       |                  |
|          | 4245742  | 1   | LICDAT     | 2002/02/28 08:58 |
| -        | 1245743  | wire or wiring  | USPAT;     | 2002/02/28 08.38 |
|          |          |   | US-PGPUB;  |                  |
|          |          |   | EPO; JPO;  |                  |
|          |          |   | DERWENT;   |                  |
|          |          |   | IBM_TDB    |                  |
| -        | 87       | (wire or wiring) near (p near2 electrode)                     | USPAT;     | 2002/02/28 08:48 |
| İ        |          | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                       | US-PGPUB;  |                  |
|          |          |   | EPO; JPO;  |                  |
|          |          |   | DERWENT;   |                  |
|          | :        |   | IBM_TDB    |                  |
|          | 74       | (wine as wising) many (n nazy) plactroda)                     | USPAT;     | 2002/02/28 08:48 |
| -        | 74       | (wire or wiring) near (n near2 electrode)                     | •          | 2002/02/20 00.10 |
|          | :        |   | US-PGPUB;  |                  |
|          |          |   | EPO; JPO;  |                  |
|          |          |   | DERWENT;   |                  |
| Ì        |          |   | IBM_TDB    |                  |
| -        | 156      | ((wire or wiring) near (p near2 electrode)) or ((wire or      | USPAT;     | 2002/02/28 08:49 |
|          |          | wiring) near (n near2 electrode))                             | US-PGPUB;  |                  |
|          |          |   | EPO; JPO;  |                  |
|          |          |   | DERWENT;   |                  |
|          |          |   | IBM_TDB    |                  |
| _        | 3        | (((wire or wiring) near (p near2 electrode)) or ((wire or     | USPAT;     | 2002/02/28 08:49 |
| -        |          | wiring) near (n near2 electrode))) with (((p near2 electrode) | US-PGPUB;  | _ , ,            |
|          |          | with (n near2 electrode)) with substrate)                     | EPO; JPO;  |                  |
|          |          | Will (If fleat 2 electrode)) with substrate)                  | DERWENT;   |                  |
|          |          |   |            |                  |
|          |          |   | IBM_TDB    | 2002/02/20 00:52 |
| -        | 13350    | (wire or wiring) near substrate                               | USPAT;     | 2002/02/28 08:53 |
|          |          |   | US-PGPUB;  |                  |
|          |          |   | EPO; JPO;  |                  |
|          |          |   | DERWENT;   |                  |
|          |          |   | IBM_TDB    |                  |
| -        | 4        | ((wire or wiring) near substrate) with (n near2 electrode)    | USPAT;     | 2002/02/28 08:55 |
|          | 1        | , , , , , , , , , , , , , , , , , , ,                         | US-PGPUB;  |                  |
|          |          |   | EPO; JPO;  |                  |
|          |          |   | DERWENT;   |                  |
|          |          |   | IBM_TDB    |                  |
|          | _        | ((in an univina) many substants) with (a many) sleates do)    | _          | 2002/02/28 08:55 |
| -        | 3        | ((wire or wiring) near substrate) with (p near2 electrode)    | USPAT;     | 2002/02/26 06.55 |
|          |          |   | US-PGPUB;  |                  |
|          |          |   | EPO; JPO;  | · ·              |
|          |          |   | DERWENT;   |                  |
|          |          |   | IBM_TDB    |                  |
| -        | 9        | ((wire or wiring) near substrate) and (((p near2 electrode)   | USPAT;     | 2002/02/28 08:58 |
|          |          | with (n near2 electrode)) with substrate)                     | US-PGPUB;  |                  |
|          |          |   | EPO; JPO;  |                  |
|          |          |   | DERWENT;   |                  |
|          |          |   | IBM_TDB    |                  |
|          | <u> </u> |   | 1 1011 100 | <del></del>      |

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| - | 2493485 | (wire or wiring or (electrode adj wir\$4) or pattern or conductor)   | USPAT;<br>US-PGPUB;    | 2002/02/28 09:02   |
|---|---------|--|------------------------|--------------------|
|   |         |  | EPO; JPO;              |                    |
|   |         |  | DERWENT;               |                    |
| _ | 156     | (((p near2 electrode) or (n near2 electrode)) near ((wire or   | IBM_TDB<br>USPAT;      | 2002/02/28 09:03   |
|   | 130     | wiring or (electrode adj wir\$4) or pattern or conductor)))  | US-PGPUB;              | 2002/02/28 09.03   |
|   |         | and substrate  | EPO; JPO;              |                    |
|   |         |  | DERWENT;               |                    |
|   |         |  | IBM_TDB                |                    |
| - | 271     | (((p near2 electrode) or (n near2 electrode)) near ((wire or   | USPAT;                 | 2002/02/28 09:03   |
|   |         | wiring or (electrode adj wir\$4) or pattern or conductor)))  | US-PGPUB;              |                    |
|   |         |  | EPO; JPO;<br>DERWENT;  |                    |
|   |         |  | IBM_TDB                |                    |
|   | 81266   | (electrode near (wire or wiring)) or (wire or wiring) near5  | USPAT;                 | 2002/02/28 09:46   |
|   |         | substrate  | US-PGPUB;              | ,,                 |
|   |         |  | EPO; JPO;              |                    |
|   |         |  | DERWENT;               |                    |
|   | 45640   | / 2 1 1 1 1 2 / 2 2 1 2 1 2 2 1 2 1 2 1  | IBM_TDB                | 2002/02/20 00:44   |
| - | 15640   | (p near2 electrode) or (n near2 electrode) with ((electrode near (wire or wiring)) or (wire or wiring) near5 substrate)  | USPAT;<br>US-PGPUB;    | 2002/02/28 09:44   |
|   |         | Hear (wire or wiring)) or (wire or wiring) Hears substrate)  | EPO; JPO;              |                    |
|   |         |  | DERWENT;               |                    |
|   |         |  | IBM_TDB                |                    |
| - | 242     | ((p near2 electrode) or (n near2 electrode)) with ((electrode  | USPAT;                 | 2002/02/28 09:46   |
|   |         | near (wire or wiring)) or (wire or wiring) near5 substrate)  | US-PGPUB;              |                    |
|   |         |  | EPO; JPO;              |                    |
|   | :       |  | DERWENT;<br>IBM_TDB    |                    |
| _ | 43695   | (electrode near (wire or wiring)) or (wire or wiring) near   | USPAT;                 | 2002/02/28 09:51   |
|   | 15055   | substrate  | US-PGPUB;              | 2002,02,20 03.01   |
|   |         |  | EPO; JPO;              |                    |
|   |         |  | DERWENT;               |                    |
|   |         |  | IBM_TDB                | 2002/02/20 02 54   |
| - | 204     | ((p near2 electrode) or (n near2 electrode)) with ((electrode near (wire or wiring)) or (wire or wiring) near substrate) | USPAT;<br>US-PGPUB;    | 2002/02/28 09:51   |
|   |         | flear (wire or wiring)) or (wire or wiring) flear substrate)   | EPO; JPO;              |                    |
|   |         |  | DERWENT;               |                    |
|   | ĺ       |  | IBM_TDB                |                    |
| - | 13518   | ((electrode near (wire or wiring)) or (wire or wiring)) near   | USPAT;                 | 2002/02/28 09:52   |
|   |         | substrate  | US-PGPUB;              |                    |
|   |         | ·  | EPO; JPO;<br>DERWENT;  |                    |
|   |         |  | IBM_TDB                |                    |
| _ | 7       | ((p near2 electrode) or (n near2 electrode)) with  | USPAT;                 | 2002/02/28 09:53   |
|   |         | (((electrode near (wire or wiring)) or (wire or wiring)) near  | US-PGPUB;              | , ,                |
|   |         | substrate)   | EPO; JPO;              |                    |
|   |         |  | DERWENT;               |                    |
|   | E4036   | ((electrode near (wire or wiring)) or (wire or wiring)) near5  | IBM_TDB<br>USPAT;      | 2002/02/28 09:53   |
| - | 54036   | substrate  | US-PGPUB;              | 2002/02/20 09.55   |
| : |         |  | EPO; JPO;              |                    |
|   |         |  | DERWENT;               |                    |
|   |         |  | IBM_TDB                | 0000 (00 (00 00 00 |
| - | 58      | ((p near2 electrode) or (n near2 electrode)) with  | USPAT;                 | 2002/02/28 09:53   |
|   |         | (((electrode near (wire or wiring)) or (wire or wiring)) near5 substrate)  | US-PGPUB;<br>EPO; JPO; |                    |
|   |         | - substrate)   | DERWENT;               |                    |
|   |         |  | IBM_TDB                |                    |
| - | 1       | ("6201226").PN.  | USPAT                  | 2002/02/28 11:23   |
| - | 0       | (p near electrode) and (("6201226").PN.)   | USPAT                  | 2002/02/28 11:23   |

|            |       |  |                         | 1 22 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
|------------|-------|--|-------------------------|--|
| -          | 1993  | ((p near2 electrode) with (n near2 electrode)) with substrate  | USPAT;                  | 2002/02/28 11:41                       |
|            |       |  | US-PGPUB;               |  |
|            |       |  | EPO; JPO;               |  |
|            |       |  | DERWENT;                |  |
|            |       |  | IBM TDB                 |  |
|            | 15    | (((p near2 electrode) with (n near2 electrode)) with   | USPAT;                  | 2002/02/28 11:56                       |
| -          | 15    |  |                         | 2002/02/20 11.50                       |
|            |       | substrate) and (SNOM or evanescent)  | US-PGPUB;               | :                                      |
|            |       |  | EPO; JPO;               |  |
|            |       |  | DERWENT;                | İ                                      |
|            |       |  | IBM_TDB                 |  |
| _          | 1     | (((p near2 electrode) with (n near2 electrode)) with   | USPAT;                  | 2002/02/28 11:56                       |
| •          | •     | substrate) and (SNOM)  | US-PGPUB;               | 2002,02,20 22.00                       |
|            |       |  | EPO; JPO;               |  |
|            |       |  |                         |  |
|            |       |  | DERWENT;                |  |
|            |       |  | IBM_TDB                 |  |
| -          | 29    | 5294790.URPN.  | USPAT                   | 2002/02/28 12:17                       |
| _          | 147   | (250/201.3).CCLS.  | USPAT                   | 2002/03/10 14:36                       |
| _          | 841   | (250/234).CCLS.  | USPAT                   | 2002/03/10 14:36                       |
| i -        |       |  | USPAT                   | 2002/03/10 14:36                       |
| -          | 966   | (250/306).CCLS.  |                         |  |
| -          | 756   | (250/307).CCLS.  | USPAT                   | 2002/03/10 14:36                       |
| -          | 1880  | surface near emit\$5 near laser  | USPAT;                  | 2002/08/28 08:39                       |
|            |       |  | EPO                     |  |
| l <u>.</u> | 54    | (surface near emit\$5 near laser) with (tip or protrusion or   | USPAT;                  | 2002/08/28 08:35                       |
|            | ]     | open\$4)   | EPO .                   | 2002,00,20 00.00                       |
| 1          | 164   |  |                         | 2002/09/29 09:24                       |
| -          | 164   | Shimada near Yasuhiro.in.  | USPAT;                  | 2002/08/28 08:24                       |
|            |       |  | EPO                     |  |
| -          | 9     | ("4915482"   "5485277"   "5583643"   "5677978"   | USPAT                   | 2002/08/28 08:27                       |
|            |       | "5729641"   "5858799"   "6034809"   "6201226"  |                         |  |
|            |       | "6282005").PN.   |                         |  |
|            | 102   | (surface near emit\$5 near laser) with (detector or  | USPAT;                  | 2002/08/28 08:32                       |
| -          | 193   |  |                         | 2002/00/20 00.32                       |
|            |       | \$6detector)   | EPO                     |  |
| -          | 156   | (surface near emit\$5 near laser) with (tip or protrusion or   | USPAT;                  | 2002/08/28 08:37                       |
| Ì          |       | open\$4 or wave?guide or waveguide or cone or pyramid)   | EPO                     |  |
| _          | 15    | ((surface near emit\$5 near laser) with (detector or   | USPAT;                  | 2002/08/28 08:36                       |
|            |       | \$6detector)) with ((surface near emit\$5 near laser) with (tip  | EPO                     |  |
|            |       | or protrusion or open\$4 or wave?guide or waveguide or   | 0                       |  |
| 1          |       |  |                         |  |
|            |       | cone or pyramid))  |                         | 2000/00/00 00 07                       |
| -          | 122   | (surface near emit\$5 near laser) with (tip or protrusion or   | USPAT;                  | 2002/08/28 08:37                       |
|            |       | wave?guide or waveguide or cone or pyramid)  | EPO                     |  |
| •          | 9     | ((surface near emit\$5 near laser) with (detector or   | USPAT;                  | 2002/08/28 08:37                       |
|            |       | \$6detector)) with ((surface near emit\$5 near laser) with (tip  | EPO '                   |  |
|            |       | or protrusion or wave?quide or waveguide or cone or  |                         |  |
| 1          | 1     |  |                         |  |
|            | 1     | pyramid))  |                         | 2002/00/00 00 17                       |
| -          | 22010 | (VCSEL or (surface near emit\$4 near laser) or surface near3   | USPAT;                  | 2002/08/28 08:45                       |
| 1          |       | laser)   | EPO                     |  |
| -          | 22010 | (VCSEL or (surface near emit\$4 near laser) or (surface near3  | USPAT;                  | 2002/08/28 08:47                       |
|            |       | laser))  | EPO '                   | , ,                                    |
| 1          | 403   |  | USPAT;                  | 2002/08/28 08:48                       |
| -          | 493   | ((VCSEL or (surface near emit\$4 near laser) or (surface   |                         | 2002/00/20 00.40                       |
|            |       | near3 laser))) with (probe or tip or protrusion)   | EPO                     | 1                                      |
| -          | 44    | (((VCSEL or (surface near emit\$4 near laser) or (surface  | USPAT;                  | 2002/08/28 09:03                       |
|            |       | near3 laser))) with (probe or tip or protrusion)) with   | EPO                     |  |
|            |       | substrate  |                         |  |
|            | 3     | ("5354985"   "5546375"   "5677978").PN.  | USPAT                   | 2002/08/28 08:50                       |
| -          |       |  |                         |  |
| -          | 59    | 5354985.URPN.  | USPAT                   | 2002/08/28 08:51                       |
| 1          | 81    | Kuroda near Ryo.in.  | USPAT;                  | 2002/08/28 09:03                       |
| •          | 1     | 1  | EPO                     |  |
| -          | ]     |  |                         |  |
| -          | 6     | (Kuroda near Ryo.in.) and (((VCSEL or (surface near emit\$4  |                         | 2002/08/28 09:05                       |
| -          |       | (Kuroda near Ryo.in.) and (((VCSEL or (surface near emit\$4  | USPAT;                  | 2002/08/28 09:05                       |
| -          |       | near laser) or (surface near3 laser))) with (probe or tip or   |                         | 2002/08/28 09:05                       |
| -          | 6     | near laser) or (surface near3 laser))) with (probe or tip or protrusion))  | USPAT;<br>EPO           |  |
| -          |       | near laser) or (surface near3 laser))) with (probe or tip or protrusion)) (Shimada near Yasuhiro.in. ) and (((VCSEL or (surface near | USPAT;<br>EPO<br>USPAT; | 2002/08/28 09:05                       |
| -          | 6     | near laser) or (surface near3 laser))) with (probe or tip or protrusion))  | USPAT;<br>EPO           |  |

| -   | 5    | ((Kuroda near Ryo.in.) and (((VCSEL or (surface near emit\$4 near laser) or (surface near3 laser))) with (probe or tip or protrusion))) and ((Shimada near Yasuhiro.in. ) and | USPAT;<br>EPO  | 2002/08/28 09:10 |
|-----|------|---|----------------|------------------|
|     |      | (((VCSEL or (surface near emit\$4 near laser) or (surface   |                |                  |
|     |      | near3 laser))) with (probe or tip or protrusion)))  | LICOAT         | 2002/00/20 00 44 |
| -   | 1    | ("5354985").PN.   | USPAT;         | 2002/08/28 09:44 |
|     | 0    | //"E3E409E"\ DN \ and //\/CCEL or (surface near emitt4 near   | EPO<br>USPAT;  | 2002/00/20 00:45 |
| -   | l 0  | (("5354985").PN.) and ((VCSEL or (surface near emit\$4 near laser) or (surface near3 laser)))   | EPO            | 2002/08/28 09:45 |
| l _ | 1    | (("5354985").PN.) and laser   | USPAT;         | 2002/08/28 09:46 |
|     | •    | (( 333 1303 ).1 11.) dita tasa  | EPO .          | 2002/00/20 03:10 |
| -   | 1    | ("6156216").PN.   | USPAT;         | 2002/08/28 09:46 |
|     |      |   | EPO            |                  |
| -   | 0    | (("6156216").PN.) and ((VCSEL or (surface near emit\$4 near   | USPAT;         | 2002/08/28 09:46 |
|     |      | laser) or (surface near3 laser)))   | EPO            |                  |
| -   | 1    | (("6156216").PN.) and laser   | USPAT;         | 2002/08/28 09:47 |
|     | 204  |   | EPO<br>LICRATI | 2002/00/04 11:55 |
| ] - | 384  | protrusion same pyramid   | USPAT;<br>EPO  | 2002/09/04 11:55 |
| 1_  | 298  | protrusion with pyramid   | USPAT;         | 2002/09/04 11:56 |
|     | 2,5  | production pyramia  | EPO            |                  |
| -   | 18   | (probe or tip) with (protrusion with pyramid)   | USPAT;         | 2002/09/04 12:15 |
|     | :    | ,   | EPO            |                  |
| -   | 9    | quadrangle near pyramid   | USPAT;         | 2002/09/04 11:59 |
|     | _    |   | EPO            |                  |
| -   | 1    | ("6201226").PN.   | USPAT;         | 2002/09/04 12:00 |
|     | 7    | ("5260567"   "5294790"   "5354985"   "5517280"  | EPO<br>USPAT   | 2002/09/04 12:00 |
| -   | /    | ( 3260367   3234790   3334963   3317260  <br>  "5546375"   "5548117"   "5770856").PN.   | USPAT          | 2002/09/04 12:00 |
| _   | 126  | open\$3 near5 "100" near (nm)   | USPAT;         | 2002/09/04 13:37 |
|     | 120  | spenipe risults 200 risult (init)   | EPO            |                  |
| -   | 5    | ("5294790"   "5625617"   "5638111"   "5978326"  | USPAT          | 2002/09/04 12:21 |
|     |      | "6011664").PN.  |                |                  |
| -   | 157  | (probe or tip) near5 "100" near (nm)  | USPAT;         | 2002/09/04 15:34 |
|     | 6    | <br>  ("4604520"   "4684206"   "4725727"   "5294790"  | EPO<br>USPAT   | 2002/09/04 12:43 |
| -   |      | "5353632"   "5384464").PN.  | OSPAT          | 2002/09/04 12.43 |
| _   | 5825 | elast\$4 near support\$4  | USPAT;         | 2002/09/04 13:17 |
|     |      | , , ,   | EPO ´          |                  |
| -   | 93   | elast\$4 near support\$4 with (probe or tip )   | USPAT;         | 2002/09/04 13:17 |
|     | _    |   | EPO            |                  |
| -   | 9    | ("4343993"   "4724318"   "5132533"   "5294790"  | USPAT          | 2002/09/04 13:19 |
|     |      | "5304795"   "5333495"   "5343460"   "5354985"  <br>"5581083").PN.   |                |                  |
| _   | 51   | ((probe or tip) near5 "100" near (nm)) and @pd<19980308   | USPAT;         | 2002/09/04 13:40 |
|     | J.   | ((p. 120 of dp) float 200 float (filli)) and @pa 12500000   | EPO .          | 2002,00,0110.10  |
| -   | 1    | ((probe or tip)near open\$4) with "100" near ((nm or  | USPAT;         | 2002/09/04 13:40 |
|     | ,    | nano?meter or nanometer))   | EPO            |                  |
| -   | 11   | ((probe or tip)with open\$4) with ("100" near ((nm or   | USPAT;         | 2002/09/04 13:40 |
|     | _    | nano?meter or nanometer)))  | EPO            | 2002/00/04 12 12 |
| -   | 0    | (((probe or tip)with open\$4) with ("100" near ((nm or  | USPAT;<br>EPO  | 2002/09/04 13:49 |
| _   | 104  | nano?meter or nanometer)))) and @pd<19980308<br>(elastic near support\$4) with ((light near emit\$4) or laser or  | USPAT;         | 2002/09/04 13:53 |
|     | 107  | tip or probe)   | EPO            | 2002/05/04 15.55 |
| -   | 58   | ((elastic near support\$4) with ((light near emit\$4) or laser  | USPAT;         | 2002/09/04 13:55 |
|     |      | or tip or probe)) and @pd<19980308  | EPO            |                  |
| -   | 507  | ((elastic or flex\$4 or deform\$6)near support\$4) with ((light   | USPAT;         | 2002/09/04 14:06 |
|     |      | near2 emit\$4) or laser or tip or probe)  | EPO            | 2002/00/04/15/15 |
| -   | 325  | (((elastic or flex\$4 or deform\$6)near support\$4) with ((light  | USPAT;         | 2002/09/04 15:15 |
| _   | 829  | near2 emit\$4) or laser or tip or probe)) and @pd<19980308<br>((elastic or flex\$4 or deform\$6)near (support\$4 or   | EPO<br>USPAT;  | 2002/09/04 14:18 |
|     | 023  | substrate)) with ((light near2 emit\$4) or laser or tip or  | EPO            | 2002/05/01/14:10 |
|     |      | probe)  |                | l                |
|     |      |   |                |                  |

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| -            | 467   | (((elastic or flex\$4 or deform\$6)near (support\$4 or   | USPAT;         | 2002/09/04 14:21 |
|--------------|-------|--|----------------|------------------|
|              |       | substrate)) with ((light near2 emit\$4) or laser or tip or probe)) and @pd<19980308  | EPO            |                  |
| _            | 20    | ((((elastic or flex\$4 or deform\$6)near (support\$4 or  | USPAT;         | 2002/09/04 14:21 |
|              |       | substrate)) with ((light near2 emit\$4) or laser or tip or probe)) and @pd<19980308) and 250/\$4.ccls.   | EPO            |                  |
|              | 36    | ((((elastic or flex\$4 or deform\$6)near (support\$4 or  | USPAT;         | 2002/09/04 14:26 |
| -            | 30    | substrate)) with ((light near2 emit\$4) or laser or tip or   | EPO EPO        | 2002,05,0111.20  |
|              |       | probe)) and @pd<19980308) and 356/\$4.ccls.  | LI 0           |                  |
|              | 35    | ((((elastic or flex\$4 or deform\$6)near (support\$4 or  | USPAT;         | 2002/09/04 14:27 |
| <del>-</del> | 35    | substrate)) with ((light near2 emit\$4) or laser or tip or   | EPO            | 2002/05/01 11.27 |
|              |       | probe)) and @pd<19980308) and 359/\$4.ccls.  | LIO            |                  |
|              | 1559  | ((elastic or flex\$4 or deform\$6)near (support\$4 or  | USPAT;         | 2002/09/04 14:48 |
| -            | 1339  | substrate)) with ((light) or laser or source)  | EPO            |                  |
|              | 43    | (((elastic or flex\$4 or deform\$6)near (support\$4 or   | USPAT;         | 2002/09/04 14:22 |
| _            | 73    | substrate)) with ((light) or laser or source)) and 250/\$4.ccls.   | EPO .          |                  |
|              | 1056  | (((elastic or flex\$4 or deform\$6)near (support\$4 or   | USPAT;         | 2002/09/04 14:49 |
| <del>-</del> | 1030  | substrate)) with ((light) or laser or source)) and   | EPO            | 2002,00,000      |
|              |       | @pd<19980308   | 2. 0           |                  |
|              | 34    | ((((elastic or flex\$4 or deform\$6)near (support\$4 or  | USPAT;         | 2002/09/04 14:49 |
| <del>-</del> | 37    | substrate)) with ((light) or laser or source)) and   | EPO .          |                  |
|              |       | @pd<19980308) and 250/\$4.ccls.  | •              |                  |
|              | 35    | ((((elastic or flex\$4 or deform\$6)near (support\$4 or  | USPAT;         | 2002/09/04 14:26 |
| ] -          | 33    | substrate)) with ((light) or laser or source)) and   | EPO            |                  |
|              |       | @pd<19980308) and 356/\$4.ccls.  |                |                  |
|              | 84    | ((((elastic or flex\$4 or deform\$6)near (support\$4 or  | USPAT;         | 2002/09/04 14:27 |
| -            | 07    | substrate)) with ((light) or laser or source)) and   | EPO            |                  |
| 1            |       | @pd<19980308) and 359/\$4.ccls.  |                |                  |
| 1_           | 1351  | (cantilever) with ((light) or laser or source)   | USPAT;         | 2002/09/04 15:23 |
| -            | 1551  | (currently with ((lightly of labor of source)  | EPO            |                  |
|              | 861   | ((cantilever) with ((light) or laser or source)) and   | USPAT;         | 2002/09/04 14:49 |
|              | 001   | @pd<19980308   | EPO            |                  |
| _            | 159   | (((cantilever) with ((light) or laser or source)) and  | USPAT;         | 2002/09/04 14:50 |
|              |       | @pd<19980308) and 250/\$4.ccls.  | EPO            |                  |
| _            | 366   | (((elastic or flex\$4 or deform\$6)near support\$4) with ((light   | USPAT;         | 2002/09/04 15:16 |
|              |       | near2 emit\$4) or laser or tip or probe)) and @pd<19990308   | EPO            |                  |
| -            | 67    | ((probe or tip) near5 "100" near (nm)) and @pd<19990308  | USPAT;         | 2002/09/04 15:17 |
|              |       | •  | EPO            |                  |
| -            | 54    | (open\$3 near5 "100" near (nm)) and @pd<19990308   | USPAT;         | 2002/09/04 15:24 |
|              |       |  | EPO            |                  |
| -            | 226   | ((cantilever) with ((light) or laser or source)) with (detector  | USPAT;         | 2002/09/04 15:23 |
|              |       | or \$6detector)  | EPO            | 2000/00/04/15/26 |
| -            | 122   | (((cantilever) with ((light) or laser or source)) with (detector   | USPAT;         | 2002/09/04 15:36 |
|              |       | or \$6detector)) and @pd<19990308  | EPO            | 2002/00/04 15:35 |
| -            | 11    | ((probe or tip or protrusion) with open\$4) with "100" near  | USPAT;         | 2002/09/04 15:35 |
|              |       | (nm or nano?meter or nanometer)  | EPO<br>LICENT  | 2002/00/04 15:26 |
| -            | 1     | (((probe or tip or protrusion) with open\$4) with "100" near   | USPAT;         | 2002/09/04 15:36 |
|              |       | (nm or nano?meter or nanometer)) and @pd<19990308  | EPO<br>LICDAT: | 2002/09/05 08:46 |
| -            | 13916 | surface near2 laser  | USPAT;<br>EPO  | 2002/03/03 06.40 |
|              |       | (  | USPAT;         | 2002/09/05 10:01 |
| -            | 9424  | (surface near2 laser) and @pd<19990308   | EPO            | 2002/05/05 10.01 |
|              | 100   | # 25-1-#   | USPAT;         | 2002/09/05 08:14 |
| -            | 188   | "near?field" or scan\$4 near2 optc\$4  | EPO            | 2002/05/05 00.11 |
|              |       | ((curface pear) lacer) and @nd 10000200\ and   | USPAT;         | 2002/09/05 08:14 |
| -            | 6     | ((surface near2 laser) and @pd<19990308) and ("near?field" or scan\$4 near2 optc\$4)   | EPO            | 2502,05,05       |
|              |       |  | USPAT          | 2002/09/05 08:14 |
| -            | 1650  |  | USPAT;         | 2002/09/05 10:02 |
| -            | 1659  | tip or protrusion or cantilever)   | EPO .          |                  |
| _            | 126   |  | USPAT;         | 2002/09/05 08:16 |
|              | 126   | tip or protrusion or cantilever)) and 250/\$4.ccls.  | EPO            | ,,               |
| <b>-</b> ,   | 7     | the second of th | USPAT;         | 2002/09/05 08:46 |
|              | 1 ′   | (  | EPO            |                  |
| L            |       |  |                |                  |

| -              | 7           | ((surface near2 laser) and @pd<19990308) and ((surface near2 laser) with (GaAs and AlGaAs and InGaAs))  | USPAT;<br>EPO      | 2002/09/05 08:37                     |
|----------------|-------------|---|--------------------|--------------------------------------|
| -              | 0           | (surface near2 laser) with (GaAs and AlGaAs and InGaAs)   | USPAT;<br>EPO      | 2002/09/05 08:38                     |
| -              | 4618        | (surface near2 laser) with (GaAs and AlGaAs and InGaAs) or GaN  | USPAT;<br>EPO      | 2002/09/05 08:38                     |
| -              | 31          | (surface near2 laser) with ((GaAs and AlGaAs and InGaAs) or GaN)  | USPAT;<br>EPO      | 2002/09/05 08:40                     |
| -              | 13          | ((surface near2 laser) and @pd<19990308) and ((surface near2 laser) with ((GaAs and AlGaAs and InGaAs) or GaN))                                   | USPAT;<br>EPO      | 2002/09/05 08:38                     |
| -              | 0           | (surface near2 laser) with ((GaN and AlGaAs and InGaAs))  | USPAT;<br>EPO      | 2002/09/05 08:51                     |
| -              | 482         | (surface near2 laser) with detector   | USPAT;<br>EPO      | 2002/09/05 08:46                     |
| -              | 0           | ((surface near2 laser) with detector) with (GaAs and AlGaAs and InGaAs)   | USPAT;<br>EPO      | 2002/09/05 08:47                     |
| -              | 0           | ((surface near2 laser) with detector) same (GaAs and AlGaAs and InGaAs)   | USPAT;<br>EPO      | 2002/09/05 08:47                     |
| -              | 6           | ((surface near2 laser) with detector) and (GaAs and AlGaAs and InGaAs)  | USPAT;<br>EPO      | 2002/09/05 08:47                     |
| -              | 3           | ((surface near2 laser) and @pd<19990308) and (((surface near2 laser) with detector) and (GaAs and AlGaAs and                                      | USPAT;<br>EPO      | 2002/09/05 08:47                     |
| -              | 0           | InGaAs)) ((surface near2 laser) with detector) same ((GaN and AlGaAs and InGaAs))   | USPAT;<br>EPO      | 2002/09/05 08:51                     |
| -              | 1           | ((surface near2 laser) with detector) and ((GaN and AlGaAs and InGaAs))   | USPAT;<br>EPO      | 2002/09/05 08:51                     |
| -              | 343         | ((surface near2 laser) with detector) and @pd<19990308  | USPAT;<br>EPO      | 2002/09/05 10:01                     |
| -              | 58          | (((surface near2 laser) with detector) and @pd<19990308) and (probe or tip or protrusion or cantilever)   | USPAT;<br>EPO      | 2002/09/05 11:08                     |
| -              | . 8         | ("5260567"   "5294790"   "5354985"   "5517280"  <br>"5546375"   "5548117"   "5770856"   "5866021").PN.  | USPAT              | 2002/12/20 01:40                     |
| -              | 8           | ("5260567"   "5294790"   "5354985"   "5517280"  <br>"5546375"   "5548117"   "5770856"   "5866021").PN.  | USPAT              | 2002/12/20 01:41                     |
| -              | 0           | 09/519672   | US-PGPUB           | 2002/12/20 02:23                     |
| -              | 56<br>10852 | 250/234<br>  (substrate or supporter) with (detector or photo?detector or   | US-PGPUB<br>USPAT; | 2002/12/20 02:23<br>2003/01/10 18:36 |
|                |             | photo?diode or photodiode or photodetector)   | EPO                |                                      |
| -              | 186         | ((substrate or supporter) with (detector or photo?detector or photo?diode or photodiode or photodetector)) with (probe or tip)                    | USPAT;<br>EPO      | 2003/01/10 18:36                     |
| -              | 35          | (((substrate or supporter) with (detector or photo?detector or photo?diode or photodiode or photodetector)) with (probe or tip)) and 250/\$.ccls. | USPAT;<br>EPO      | 2003/01/10 18:36                     |
| -              | 44227       | silicon adj substrate   | USPAT;<br>EPO      | 2003/01/10 20:01                     |
| -              | 210         | (silicon adj substrate) with probe  | USPAT;<br>EPO      | 2003/01/10 20:06                     |
| -              | 47807       | silicon adj nitride   | USPAT;<br>EPO      | 2003/01/10 20:06                     |
| -              | 16089       | (silicon adj substrate) and (silicon adj nitride)   | USPAT;<br>EPO      | 2003/01/10 20:06                     |
| •              | 800         | ((silicon adj substrate) and (silicon adj nitride)) and probe   | USPAT;<br>EPO      | 2003/01/10 20:07                     |
| -              | 34          | OUCHI-TOSHIHIKO OUCHI-TOSHIHIKO-C-O-CANON-KABU<br>OUCHI-TOSHIHIKO-C-O-CANON-K-K   | USPAT;<br>EPO      | 2004/02/23 14:57                     |
| -              | 1           | ("6201226").PN.   | USPAT;<br>EPO      | 2004/02/23 17:04                     |
| -              | 3           | 6201226.URPN.   | USPAT              | 2004/02/23 17:04                     |
| •              | 7           | ("5260567"   "5294790"   "5354985"   "5517280"  <br>"5546375"   "5548117"   "5770856").PN.  | USPAT              | 2004/02/23 17:09                     |
| - Coarch Histo | 35          | 5294790.URPN.   | USPAT              | 2004/02/23 17:10                     |

| - | 1128    | (250/239).CCLS.   | USPAT;        | 2004/02/23 17:23 |
|---|---------|---|---------------|------------------|
|   | 378677  | protrus\$5 or tip   | EPO<br>USPAT; | 2004/02/23 17:24 |
| - | 129     | (((250/239).CCLS.) or ((250/214.1).CCLS.)) and (protrus\$5  | EPO<br>USPAT; | 2004/02/23 17:28 |
| _ | 5207    | or tip) 250/\$.ccls. and (protrus\$5 or tip)  | EPO<br>USPAT; | 2004/02/23 17:29 |
| _ | 1027    | substrate and photo?detector  | EPO<br>USPAT; | 2004/02/23 17:30 |
| _ | 24      | (250/\$.ccls. and (protrus\$5 or tip)) and (substrate and   | EPO<br>USPAT; | 2004/02/23 17:30 |
|   | 476     | photo?detector) evanesc\$6 and (250/\$.ccls.)   | EPO<br>USPAT; | 2004/02/23 18:02 |
| - | 690732  | surface near3 (device or portion or region or part or   | EPO<br>USPAT; | 2004/02/23 18:03 |
| - |         | component or laser)   | EPO<br>USPAT; | 2004/02/23 18:03 |
| - | 533114  | substrate   | EPO<br>USPAT; | 2004/02/23 18:04 |
| - | 76538   | (surface near3 (device or portion or region or part or component or laser)) same substrate  | EPO           |                  |
| - | 665163  | detector or photo\$detector or sensor or photodetector  | USPAT;<br>EPO | 2004/02/23 18:04 |
| - | 3326    | ((surface near3 (device or portion or region or part or component or laser)) same substrate) same (detector or photo\$detector or sensor or photodetector)  | USPAT;<br>EPO | 2004/02/23 18:05 |
| - | 2011043 | protrus\$5 or tip or open\$5 or slit  | USPAT;<br>EPO | 2004/02/23 18:05 |
| - | 335     | (((surface near3 (device or portion or region or part or component or laser)) same substrate) same (detector or photo\$detector or sensor or photodetector)) same   | USPAT;<br>EPO | 2004/02/23 18:06 |
| - | 62      | (protrus\$5 or tip or open\$5 or slit) ((((surface near3 (device or portion or region or part or component or laser)) same substrate) same (detector or photo\$\$\detector\$ or sensor or photodetector)) same (protrus\$\$5 or tip or open\$\$5 or slit)) and (250/\$.ccls. or | USPAT;<br>EPO | 2004/02/23 18:10 |
| - | 1235    | 356/\$.ccls.) (probe or protrusion or tip) and evanesce\$6  | USPAT;<br>EPO | 2004/02/23 18:11 |
| - | 407     | ((probe or protrusion or tip) and evanesce\$6) and (250/\$.ccls. or 356/\$.ccls.)   | USPAT;<br>EPO | 2004/02/23 18:12 |
| - | 1401    | (250/214.1).CCLS.   | USPAT;<br>EPO | 2004/02/24 10:30 |
| - | 2355    | near?field  | USPAT;<br>EPO | 2004/02/24 10:30 |
| - | 0       | (near?field and 250/\$.ccls.) and @pd<2000  | USPAT;<br>EPO | 2004/02/24 10:34 |
| - | 314     | (near?field and 250/\$.ccls.) and @pd>2000  | USPAT;<br>EPO | 2004/02/24 10:32 |
| - | 314     | near?field and 250/\$.ccls.   | USPAT;<br>EPO | 2004/02/24 10:32 |
| - | 0       | ((250/214.1).CCLS.) and @pd<2000  | USPAT;<br>EPO | 2004/02/24 10:33 |
| - | 1218    | ((250/214.1).CCLS.) and @py<2000  | USPAT;<br>EPO | 2004/02/24 10:33 |
| - | 175     | (near?field and 250/\$.ccls.) and @py<2000  | USPAT;<br>EPO | 2004/02/24 10:38 |
| - | 3924    | evanesc\$7  | USPAT;<br>EPO | 2004/02/24 10:38 |
| - | 367     | near?field and evanesc\$7   | USPAT;<br>EPO | 2004/02/24 10:38 |
| - | 182     | (near?field and evanesc\$7) and @py>=1980<=2000   | USPAT;<br>EPO | 2004/02/24 13:53 |
|   | 35      | 5294790.URPN.   | USPAT         | 2004/02/24 10:51 |

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| -          | 197     | (250/201.3).CCLS.   | USPAT;   | 2004/02/24 13:56      |
|------------|---------|---|----------|-----------------------|
|            |         |   | EPO      |                       |
| -          | 117     | ((250/201.3).CCLS.) and @py<2000  | USPAT;   | 2004/02/24 13:58      |
|            |         | . , , , -1,   | EPO      |                       |
| l -        | 970     | (250/234).CCLS.   | USPAT;   | 2004/02/24 14:29      |
| 1          |         | (200) 200, (200)  | EPO      |                       |
| l <u>.</u> | 722     | ((250/234).CCLS.) and @py<2000  | USPAT;   | 2004/02/24 14:12      |
|            | , , , , | ((230)231).0023.) und @p) 12000   | EPO      | 000 1, 02,2 1 2 1122  |
|            | 72      | 5354985.URPN.   | USPAT    | 2004/02/24 14:06      |
| -          | 1211    | (250/306).CCLS.   | USPAT;   | 2004/02/24 14:12      |
| -          | 1211    | (230/300).CCL3.   | EPO .    | 2001/02/2111.12       |
| 1          | 905     | ((250/306),CCLS.) and @py<2000  | USPAT;   | 2004/02/24 14:12      |
| -          | 895     | ((250/306).CCL3.) and wpy<2000  | EPO      | 2007/02/27 17.12      |
|            | 4.05    | (250/224) 6016  | US-PGPUB | 2004/02/24 14:22      |
| -          | 105     | (250/234).CCLS.   |          | 2004/02/24 14:32      |
| -          | 32      | (250/201.3).CCLS.   | US-PGPUB | 2004/02/24 14:34      |
| -          | 92      | (250/306).CCLS.   | US-PGPUB | 2004/02/24 14:37      |
| -          | 87      | (250/307).CCLS.   | US-PGPUB | 2004/02/24 14:37      |
| -          | 41      | SNOM and @py<2000   | USPAT;   | 2004/02/24 15:18      |
|            | ļ       |   | EPO      |                       |
| -          | 1       | ("5294790").PN.   | USPAT;   | 2004/02/24 14:57      |
|            |         |   | EPO      |                       |
| -          | 1       | (("5294790").PN.) and (detector or photo?detector or  | USPAT;   | 2004/02/24 15:18      |
|            |         | photodetector or sensor)  | EPO      |                       |
|            | 33330   | (light near2 emit\$5 near2 (element or device))   | USPAT;   | 2004/02/24 15:17      |
|            |         |   | EPO      |                       |
| -          | 4290    | ((light near2 emit\$5 near2 (element or device))) and   | USPAT;   | 2004/02/24 15:17      |
|            | 1       | (250/\$.ccls. or 356/\$.ccls.)  | EPO      |                       |
| 1.         | 17429   | ((light near2 emit\$5 near2 (element or device))) and   | USPAT;   | 2004/02/24 15:18      |
|            |         | (detector or photo?detector or photodetector or sensor or   | EPO      |                       |
|            | 1       | photodiode or photo?diode)  |          |                       |
| _          | 3518    | (((light near2 emit\$5 near2 (element or device))) and  | USPAT;   | 2004/02/24 15:18      |
|            | 3310    | (250/\$.ccls. or 356/\$.ccls.)) and (detector or photo?detector   | EPO      | ,,                    |
|            |         | or photodetector or sensor or photodiode or photo?diode)  |          |                       |
|            | 2746    | ((((light near2 emit\$5 near2 (element or device))) and   | USPAT;   | 2004/02/24 15:19      |
| -          | 2/40    | (((light hear 2 enits) hear 2 (clement of device))) and (250/\$.ccls. or 356/\$.ccls.)) and (detector or photo?detector   | EPO      | 200 1, 02, 2 1 20, 20 |
|            |         | or photodetector or sensor or photodiode or photo?diode))   | L. 0     |                       |
|            |         |   |          |                       |
|            | 643     | and @py<2000  | USPAT;   | 2004/02/24 15:19      |
| -          | 642     | ((((((light near2 emit\$5 near2 (element or device))) and (250/\$.ccls. or 356/\$.ccls.)) and (detector or photo?detector | EPO      | 2004/02/24 13.13      |
|            |         |   | LFO      |                       |
|            |         | or photodetector or sensor or photodiode or photo?diode))   |          |                       |
|            |         | and @py<2000) and substrate   | LICDAT.  | 2004/02/24 15:20      |
| -          | 29      | (((((((light near2 emit\$5 near2 (element or device))) and  | USPAT;   | 2004/02/24 15:20      |
|            |         | (250/\$.ccls. or 356/\$.ccls.)) and (detector or photo?detector   | EPO      |                       |
|            |         | or photodetector or sensor or photodiode or photo?diode))   |          |                       |
|            |         | and @py<2000) and substrate) and (protrusion)   |          | 2004/02/24 47 27      |
| -          | 28      | (((((((light near2 emit\$5 near2 (element or device))) and  | USPAT;   | 2004/02/24 17:08      |
|            |         | (250/\$.ccls. or 356/\$.ccls.)) and (detector or photo?detector   | EPO      |                       |
|            |         | or photodetector or sensor or photodiode or photo?diode))   |          |                       |
|            |         | and @py<2000) and substrate) and (conic\$4)   |          |                       |